

**COMPOSITIONS AND METHODS FOR DIAGNOSTICS AND THERAPEUTICS
FOR HYDROCEPHALUS**

ABSTRACT

5

The present disclosure relates to RFX4_v3 protein and nucleic acids encoding the RFX4_v3 protein. The present disclosure provides non-human transgenic animals with altered RFX4_v3 genes, and provides assays for the detection of RFX4_v3 and RFX4_v3 polymorphisms associated with disease states. The present disclosure additionally

10

provides methods of determining a subjects' risk of developing congenital hydrocephalus, and treating or inhibiting its development.